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EXAMINER

ANYA, CHARLES E

ART UNIT PAPER NUMBER

2194

DATE MAILED: 06/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/044,213

Applicant(s)

PARLA ET AL.

Examiner

Charles E. Anya

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 3/7/05.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-20 and 22-39 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1,2,4-20 and 22-39 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

PD

**DETAILED ACTION**

1. Claims 1-39 are pending in this application.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 14-16 and 32-34 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pat. No. 6,779,044 B1 to Zintel.**

4. As to claim 14, Zintel teaches in an event generation client, a method for processing events comprising: sending event registration information including identifying event information required to process event data (RegisterUpnpEventsource() Col. 32 Ln. 10 - 38, Col. 33 Ln. 50 - 67); detecting an event (SubmitUpnpPropertyEvent() Col. 33 Ln. 1 - 42); in response to detecting an event, creating event data (Col. 33 Ln. 24 - 25, Col. 34 Ln. 1 - 8); and sending the event data to an event processing server ("...subscribers..." Col. 33 Ln. 1 - 28, HUP Server 626 Col. 34 Ln. 15 - 25).

5. As to claim 15, Zintel teaches the method of claim 14 wherein the step of creating event data includes formatting the event data in a mark-up language format capable of transmission via a hyper-text transport protocol (Col. 29 Ln. 11 - 16, "...XML body..." Col. 33 Ln. 24 - 25).
6. As to claim 16, Zintel teaches the method of claim 14 wherein the step of sending event registration information, further comprises the step of: initiating a multiple of status checks of sources to produce status check information; and forwarding status check information in the event data to the event processing server ("...alive..." Col. 39 Ln 9 - 11).
7. As to claims 32 - 34, see the rejection of claims 14 - 16 respectively.

***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**9. Claims 1,2,4-13,19,20,22-31 and 37-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 6,167,448 to Hemphill et al. in view of U.S. Pat. No. 6,594,786 B1 to Connelly et al.**

10. As to claim 1, Hemphill teaches an event processing server, a method for processing events comprising the steps of: receiving an event message ("...ENM..." Col. 2 Ln. 10 - 17); the event message contains event registration information (EAS Files 210 Col. 10 Ln. 63 - 67, Col. 11 Ln. 1 - 10); identifying event information required to process event data based on the event message ("...locate a file..." Col. 2 Ln. 20 - 23, Col. 2 Ln. 43 - 48, Col. 8 Ln. 27 - 45).

11. Hemphill is silent with reference to determining if existing event information is accessible to process the event data and if the existing event information is not accessible: (i) providing an event rejection indicating missing event information; and (ii) receiving the missing event information identified in the event rejection

12. Connelly teaches determining if existing event information is accessible to process the event data and if the existing event information is not accessible; (i) providing an event rejection indicating missing event information (Col. 16 Ln. 57 - 67); and (ii) receiving the missing event information identified in the event rejection ("...Step 188... Col.17 Ln. 10 - 16).

13. It would have been obvious to one of ordinary skill in the art at time the invention was made to combine Connelly and Hemphill because the teaching of Connelly would improve the system of Hemphill by agent-server recovery protocol for notifying a

monitored system by a monitoring server (HA server) to correct an error event received therefrom (Connelly Col. 16 Ln. 57 - 63).

14. As to claim 2, Hemphill teaches the method of claim 1 further comprising the steps of: selecting the event information based on the event data received; and generating an event output from the selected event information (Col. 2 Ln. 43 - 48).

15. As to 4, Hemphill teaches the method of claim 1 wherein the event message includes at least one unique identifier identifying the source of the event data ("...DEVICEID..." Col. 9 Ln. 32 - 50, Col. 10 Ln. 38 - 52).

16. As to claim 5, Hemphill teaches the method of claim 4 wherein the step of identifying event information required to process event data identifies the event information required based on the source of the event data (Col. 8 Ln. 43 - 45).

17. As to claim 6, Hemphill teaches the method of claim 1 wherein the event message includes at least one unique identifier identifying event information required to process the event data ("...locate a file..." Col. 2 Ln. 20 - 23, Col. 2 Ln. 43 - 48, Col. 8 Ln. 27 - 45).

18. As to claim 7, Connelly teaches the method of claim 1 wherein the steps of receiving comprise a step of accepting at least one of event registration information,

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event data and event information mark-up language documents (Step 188 Col. 17 Ln. 14 - 16).

19. As to claim 8, Hemphill teaches the method of claim 1 wherein the event data includes network management data indicating a network management event associated with a source of the event data and wherein the step of receiving event data utilizes a hypertext transport protocol to receive the event data (Col. 10 Ln. 22 - 62).

20. As to claim 9, Connelly teaches the method of claim 1 wherein in the step of determining, if the existing event information is accessible, the method further comprises the steps of: (i) providing an event data destination; and (ii) receiving the event data via the event data destination (Step 190 Col. 17 Ln. 10 - 19, figure 8B Col. 18 Ln. 3 - 14).

21. As to claim 10, Connelly teaches the method of claim 9 wherein the steps of receiving comprise the steps of: reading first and second event data; processing the first and second event data to produce event output data that reflects a hierarchical event relationship between the first and second event data ("...out-of-sequence..." figure 7E Col. 17 Ln. 10 - 19, figure 88 Col. 18 Ln. 3 - 14).

22. As to claim 11, Connelly teaches the method of claim 1 further comprising the step of creating system component status records and wherein the step of receiving the

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event data further includes the step of: updating a status of the system component status record based on the event data received ("...status change..." Col. 9 Ln. 65 - 67, Col. 10 Ln. 1 - 9).

23. As to claim 12, Hemphill the method of claim 1 wherein the event message contains event data (ENM 207 Col. 10 Ln. 22 - 62).

24. As to claims 13 and 31, see the rejection of claim 1 above.

25. As to claim 19, Hemphill teaches an event processing server for processing event messages comprising: a memory; a communications interface; a processor; and an interconnection mechanism coupling the memory, the processor and the communications interface (Server I/F 221 Col. 8 Ln. 1 - 14), wherein the processor is configured to: receive an event message (Event Processor Logic 222 (ENM 207) Col. 8 Ln. 15 - 26), the event message contains event registration information (EAS Files 210 Col. 10 Ln. 63 - 67, Col. 11 Ln. 1 - 10), identify event information required to process event data based on the event message ("...location pointer..." Col. 8 Ln. 27 - 45).

26. Hemphill is silent with reference to determining if existing event information is accessible to process the event data and if the existing event information is not accessible; (i) provide an event rejection indicating missing event information; and (ii) receive the missing event information identified in the event rejection.



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27. Connelly teaches determining if existing event information is accessible to process the event data and if the existing event information is not accessible: (i) providing an event rejection indicating missing event information (Col. 16 Ln. 57 - 67); and (ii) receiving the missing event information identified in the event rejection ("...Step 88..." Col.17 Ln. 10 - 16).

28. It would have been obvious to one of ordinary skill in the art at time the invention was made to combine Connelly and Hemphill because the teaching of Connelly would improve the system of Hemphill by agent-server recovery protocol for notifying a monitored system by a monitoring server (HA server) to correct an error event received therefrom (Connelly Col. 16 Ln. 57 - 63).

29. As to claims 20 and 22 - 30, see the rejection of claims 2 and 4 - 12 respectively.

30. As to claims 37 and 38, see the rejection of claims 1 and 19 respectively.

31. As to claim 39, Hemphill teaches the method of claim 1, wherein said event registration information includes information that identifies a source of forthcoming event data as well as event information that the event processing server will require in order to be able to correctly process the forthcoming event data (EAS Files 210 Col. 10 Ln. 63 - 67, Col. 11 Ln. 1 - 67, Col. 12 Ln. 1 - 67).

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**32. Claims 17 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 6,779,004 B1 to Zintel in view of U.S. Pat. No. 6,526,442 B1 to Stupek Jr. et al.**

33. As to claim 17, Zintel is silent with reference to the method of claim 14 wherein the step of sending the event data further comprises the step of: periodically sending event data to the event processing server as confirmation of an operating communications channel.

34. Stupek teaches the method of claim 14 wherein the step of sending further comprises the step of: periodically sending event data to the event processing server as confirmation of an operating communications channel (Col. 2 Ln. 54 - 67).

35. It would have obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Stupek and Zintel because the teaching of Stupek would improve the system of Zintel by providing plurality of notices indicative of the state of network to a management engine (Col. 2 Ln. 54 - 67).

36. As to claim 35, see the rejection of claim 17 above.

**37. Claims 18 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 6,779,004 B1 to Zintel in view of U.S. Pat. No. 6,594,786 B1 to Connelly et al.**

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38. As to claim 18, Zintel is silent with reference to the method of claim 14, further including the steps of: receiving an event rejection indicating missing event information from an event process server; obtaining the missing information; and sending the missing event information to the event processing server.

39. Connelly teaches the method of claim 14, further including the steps of: receiving an event rejection indicating missing event information from an event process server; obtaining the missing information; and sending the missing evening information to the event processing server ("...Step 188..." Col.17 Ln. 10 - 16).

40. It would have been obvious to one of ordinary skill in the art at time the invention was made to combine Connelly and Hemphill because the teaching of Connelly would improve the system of Hemphill by agent-server recovery protocol for notifying a monitored system by a monitoring server (HA server) to correct an error event received therefrom (Connelly Col. 16 Ln. 57 - 63).

41. As to claim 36, see the rejection of claim 18 above.

### ***Response to Arguments***

42. Applicant's arguments filed 3/7/05 have been fully considered but they are not persuasive.

Applicant argues in substance that (1) neither Hemphill nor Connelly prior art references teaches or suggests the use of an event message wherein the event message contains event registration information particularly that the EAS files of the

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Hemphill prior art reference is not an event registration information, and (2) the Zintel prior art reference does not teach event registration information that includes information that identifies a source or sources of forthcoming event data as well as event information that the event processing server will require in order to be able to correctly process the forthcoming event data as required in claim 14.

As to point (1), the EAS files of the Hemphill prior art reference meets the limitation of an event message wherein the event message contains event registration information that includes information that identifies a source or sources of forthcoming event data as well as event information that the event processing server will require in order to be able to correctly process the forthcoming event data by providing the EAS files 210 that defines one or more actions...that should be taken in response to a corresponding management event (Col. 11 Ln. 1 – 10). Secondly, the “<DEVICEID>UUID</DEVICEID>” identifies the source of the event data (“...DEVICEID...” Col. 9 Ln. 47 – 50, “<DEVICEID>UUID</DEVICEID>” Col. 12 Ln. 30 – 50).

As to point (2), as per claim 14, the invention as claimed requires sending event registration information identifying event information required to process event data. The Zintel prior art reference meets limitation by providing the parameters “Cprops” and “RgProps” of SubmitUpnpPropertyEvent() that respectively contains the number of events and information about each event to be processed (Col. 33 Ln. 10 – 17).

### ***Conclusion***

43. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles E. Anya whose telephone number is (571) 272-3757. The examiner can normally be reached on M-F (8:30-6:00) First Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, An Meng-Ai can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charles E Anya  
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Art Unit 2194

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